

CLAIMS

1. A bituminous composition, comprising a bituminous component and a block copolymer, wherein the block copolymer comprises at least two terminal poly(vinyl aromatic) blocks and at least one poly(conjugated diene) central block, wherein said poly(conjugated diene) central block(s) is (are) obtained by substantially random copolymerization of butadiene and isoprene in a molar ratio between butadiene and isoprene in the range of from 1:2 to 9:1; wherein the poly(vinyl aromatic) content (PSC) is in the range of from 20 to 30 wt%, wherein the content of a possibly accompanying diblock, comprising a poly(vinyl aromatic) block and a poly(butadiene/isoprene) block is at most 25 mole%, wherein the 1,2-addition (vinyl content) of the polymerized conjugated dienes is in the range of from 10 to 80%, and wherein the apparent molecular weight of the complete block copolymer is in the range of 310,000 to 380,000.
2. A bituminous composition as claimed in claim 1, wherein the block copolymer comprises butadiene and isoprene in a molar ratio between butadiene and isoprene in the range of from 2:3 to 6:1, and more preferably from 1:1 to 3:1.
3. A bituminous composition as claimed in claim 1 or 2, wherein the diblock content of the block copolymer is in the range of 0 to 15 mole%.

4. A bituminous composition as claimed in any one of claims 1 to 3, wherein the vinyl content of the block copolymer is in the range of from 30 to 60%.

5. A bituminous composition as claimed in any one of claims 1 to 4, wherein the apparent molecular weight of the entire block copolymer is in the range of from 315,000 to 375,000.

6. A bituminous composition as claimed in any one of claims 1 to 5, wherein the block copolymer is present in the bituminous composition in an amount in the range of from 3 to 30% by weight.

7. A bituminous composition as claimed in any one of claims 1 to 5, wherein the block copolymer is present in the bituminous composition in an amount in the range of from 6 to 15% by weight.

8. A bituminous composition as claimed in any one of claims 1 to 7, further comprising fillers or resins, oils, stabilisers or flame retardants in an amount in the range of from 0 to 40% by weight.